Freeform Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: L2 and (screen$ with unwanted with e-mail)

Display: 10 **Documents in Display Format:** KWIC **Starting with Number** 1

Generate: ○ **Hit List** ◉ **Hit Count** ○ **Side by Side** ○ **Image**

Search Clear Interrupt

Search History

DATE: Monday, February 23, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=ADJ			
L3	L2 and (screen$ with unwanted with e-mail)	1	L3
L2	L1 and ((e-mail or message$) with (pass$ or authen$ or authori$) with receiver$)	95	L2
L1	709/$.ccls.	14453	L1

END OF SEARCH HISTORY

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6266692 B1

L3: Entry 1 of 1 File: USPT Jul 24, 2001

DOCUMENT-IDENTIFIER: US 6266692 B1
TITLE: Method for blocking all unwanted e-mail (SPAM) using a header-based password

Abstract Text (1):
A method for blocking and/or filtering electronic mail. Selected senders are provided with a valid passcode associated with an e-mail address. When an e-mail is received at a mail server node, a field in a header of the e-mail is checked for a valid passcode associated with the destination e-mail address. If a valid passcode is detected, the e-mail is automatically sent to a receiver at the e-mail address. If an incorrect passcode is detected, the e-mail is automatically deleted at the server node and does not reach the receiver. If there is no passcode in the e-mail header, the e-mail is held temporarily, until the receiver approves to receive the e-mail. If the receiver rejects the e-mail, the e-mail is deleted. The present invention includes an additional capability for the senders of e-mails to request a passcode associated with a specific e-mail address in a lookup directory, before sending an e-mail to that address. Furthermore, the present invention enables firewall servers to block incoming e-mails only if they are received from the public Internet, thereby allowing all internal e-mails to reach the receiver without having to include valid passcodes.

Brief Summary Text (5):
Therefore, it is highly desirable to have a filter system for screening and turning away unwanted mails, while the desired e-mails pass through the system to reach the recipients. Presently, there are products that are capable of filtering out unwanted messages. For example, Qualcomm's Eudora Pro e-mail program can select e-mail and delete before reading on the basis of an unlimited set of user-specified character sequences, whether those sequences appear in a message's subject, in the main body of the text, or as part of the sender's name.

Current US Original Classification (1):
709/206

CLAIMS:

1. A method of filtering electronic mail (e-mail) transmitted by a sender to a servicing node and destined for receipt by a receiver comprising the steps of:

scanning a header associated with the e-mail at the servicing node for both a destination address and a destination passcode, said destination passcode being a binary key included in a predefined field of said header reserved for passcodes;

determining whether the destination address and the destination passcode match a

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receiver's address and a receiver's passcode; and

automatically providing the e-mail matching both the receiver's passcode and the receiver's address to the receiver.

6. The method as claimed in claim 5, wherein the method further includes the step of:

sending a reply message to the sender of the mail which includes a passcode which does not match the receiver's passcode, the reply message for informing the sender not to send any more e-mails to the receiver.

7. The method as claimed in claim 1, wherein the method further includes:

providing selected senders of e-mail with the receiver's passcode for placement in an e-mail header of an e-mail message along with the receiver's address.

8. The method as claimed in claim 1, wherein the method further includes the step of:

enabling a sender to request a passcode of an e-mail address before sending an e-mail; and

allowing the sender to send an e-mail to the receiver when the request is approved, by providing the passcode for inclusion with the e-mail.

11. The method as claimed in claim 1, wherein the method further includes the step of:

allowing all e-mail originating inside a firewall to be sent to the receiver without scanning for the receiver's passcode.

15. An article of manufacture comprising a computer usable medium having computer readable program code embodied therein for filtering electronic mail (e-mail), the computer readable program code in the article of manufacture comprising:

computer readable program code for causing a computer to scan the e-mail header at the servicing node for both the destination address and a destination passcode, said destination passcode being a binary key included in a predefined field of said header reserved for passcodes;

computer readable program code for causing a computer to determine whether the destination address and the destination passcode match a receiver's address and a receiver's passcode; and

computer readable program code for causing a computer to automatically provide the e-mail matching both the receiver's passcode and the receiver's address to the receiver.

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US006266692B1

(12) **United States Patent**
Greenstein

(10) **Patent No.: US 6,266,692 B1**
(45) **Date of Patent: Jul. 24, 2001**

(54) **METHOD FOR BLOCKING ALL UNWANTED E-MAIL (SPAM) USING A HEADER-BASED PASSWORD**

(75) Inventor: **Bret A. Greenstein**, Essex Junction, VT (US)

(73) Assignee: **International Business Machines Corporation**, Armonk, NY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/225,473**

(22) Filed: **Jan. 4, 1999**

(51) **Int. Cl.**[7] **G06F 13/00**
(52) **U.S. Cl.** **709/206**; 709/307
(58) **Field of Search** 709/206, 207, 709/315

(56) **References Cited**

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5,635,918	*	6/1997	Tett	340/825
5,999,932	*	12/1999	Paul	709/206
6,047,310	*	4/2000	Kamakura et al.	709/201
6,073,165	*	6/2000	Narasimhan et al.	709/206

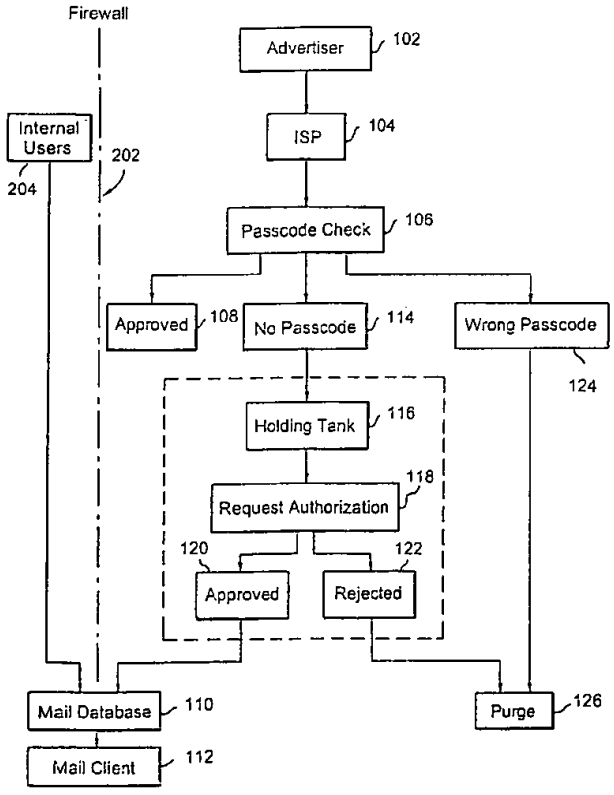
* cited by examiner

Primary Examiner—Robert B. Harrell
(74) *Attorney, Agent, or Firm*—Scully, Scott, Murphy & Presser; Richard M. Kotulak, Esq.

(57) **ABSTRACT**

A method for blocking and/or filtering electronic mail. Selected senders are provided with a valid passcode associated with an e-mail address. When an e-mail is received at a mail server node, a field in a header of the e-mail is checked for a valid passcode associated with the destination e-mail address. If a valid passcode is detected, the e-mail is automatically sent to a receiver at the e-mail address. If an incorrect passcode is detected, the e-mail is automatically deleted at the server node and does not reach the receiver. If there is no passcode in the e-mail header, the e-mail is held temporarily, until the receiver approves to receive the e-mail. If the receiver rejects the e-mail, the e-mail is deleted. The present invention includes an additional capability for the senders of e-mails to request a passcode associated with a specific e-mail address in a lookup directory, before sending an e-mail to that address. Furthermore, the present invention enables firewall servers to block incoming e-mails only if they are received from the public Internet, thereby allowing all internal e-mails to reach the receiver without having to include valid passcodes.

16 Claims, 4 Drawing Sheets



DB=USPT; PLUR=YES; OP=ADJ

L5	L1 and ((e-mail or message$) with (pass$ or authen$ or authori$) with receiver$).ab.	6	L5
L4	L2 and (screen$ with unwanted with e-mail)	1	L4
L3	L2 and (screen$ with unwanted with e-mail)	1	L3
L2	L1 and ((e-mail or message$) with (pass$ or authen$ or authori$) with receiver$)	95	L2
L1	709/$.ccls.	14453	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Term	Documents
E-MAIL	8453
E-MAILS	606
MESSAGE$	0
MESSAGE	104676
MESSAGEA	3
MESSAGEABBREV	1
MESSAGEABLE	4
MESSAGEACCEPTOR	1
MESSAGEACK	3
MESSAGEACKS	1
MESSAGEADDRESS	9
(L1 AND ((E-MAIL OR MESSAGE$) WITH (PASS$ OR AUTHEN$ OR AUTHORI$) WITH RECEIVER$).AB.).USPT.	6

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Search: L5

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Monday, February 23, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set

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First Hit Fwd Refs

☐ Generate Collection

L5: Entry 1 of 6 File: USPT Jul 22, 2003

DOCUMENT-IDENTIFIER: US 6597771 B1
TITLE: Method of a message modification in a communication system and a device for performing the method

Abstract Text (1):
There is provided a method of a modification of a message in a communication system and a device for execution of the method. After receiving a message, the message being delivered into a receiver communication unit through data communication means and stored in a storage unit, there is a password allocated to the sender, the password being allocated with respect to available information about an identity of the sender, and the password is delivered back to the transmitter communication unit as acknowledgement message and serves the sender as a key for obtaining an access to functions of modification and/or deleting a message stored in the receiver communication unit.

Current US Cross Reference Classification (2):
709/206

Current US Cross Reference Classification (3):
709/216

Current US Cross Reference Classification (4):
709/246

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US006597771B1

(12) **United States Patent**
Svoboda

(10) **Patent No.: US 6,597,771 B1**
(45) **Date of Patent: Jul. 22, 2003**

(54) **METHOD OF A MESSAGE MODIFICATION IN A COMMUNICATION SYSTEM AND A DEVICE FOR PERFORMING THE METHOD**

(76) Inventor: **Tomáš Svoboda**, Sušická 5, 160 00, Praha 6 (CZ)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/857,072**

(22) PCT Filed: **Nov. 30, 1999**

(86) PCT No.: **PCT/CZ99/00048**

§ 371 (c)(1),
(2), (4) Date: **Sep. 18, 2001**

(87) PCT Pub. No.: **WO00/33545**

PCT Pub. Date: **Jun. 8, 2000**

(30) **Foreign Application Priority Data**

Nov. 30, 1998 (CZ) PV3905-98

(51) **Int. Cl.**[7] **H04M 11/00**

(52) **U.S. Cl.** **379/93.24**; 379/102.02; 709/206; 709/216; 709/246

(58) **Field of Search** 379/93.24, 93.25, 379/93.08, 100.08, 102.01, 102.02, 102.07, 93.02, 93.03; 709/206, 216, 207, 237, 245, 246

(56) **References Cited**

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EP	0 800 144	* 10/1997
JP	2001-168903	* 6/2001
WO	W O 98/37678	* 8/1998

* cited by examiner

Primary Examiner—Wing Chan
(74) *Attorney, Agent, or Firm*—Pedersen & Co., PLLC; Ken J. Pedersen; Barbara S. Pedersen

(57) **ABSTRACT**

There is provided a method of a modification of a message in a communication system and a device for execution of the method. After receiving a message, the message being delivered into a receiver communication unit through data communication means and stored in a storage unit, there is a password allocated to the sender, the password being allocated with respect to available information about an identity of the sender, and the password is delivered back to the transmitter communication unit as acknowledgement message and serves the sender as a key for obtaining an access to functions of modification and/or deleting a message stored in the receiver communication unit.

8 Claims, No Drawings

First Hit Fwd Refs

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L5: Entry 4 of 6 File: USPT Jul 24, 2001

DOCUMENT-IDENTIFIER: US 6266692 B1
TITLE: Method for blocking all unwanted e-mail (SPAM) using a header-based password

Abstract Text (1):
A method for blocking and/or filtering electronic mail. Selected senders are provided with a valid passcode associated with an e-mail address. When an e-mail is received at a mail server node, a field in a header of the e-mail is checked for a valid passcode associated with the destination e-mail address. If a valid passcode is detected, the e-mail is automatically sent to a receiver at the e-mail address. If an incorrect passcode is detected, the e-mail is automatically deleted at the server node and does not reach the receiver. If there is no passcode in the e-mail header, the e-mail is held temporarily, until the receiver approves to receive the e-mail. If the receiver rejects the e-mail, the e-mail is deleted. The present invention includes an additional capability for the senders of e-mails to request a passcode associated with a specific e-mail address in a lookup directory, before sending an e-mail to that address. Furthermore, the present invention enables firewall servers to block incoming e-mails only if they are received from the public Internet, thereby allowing all internal e-mails to reach the receiver without having to include valid passcodes.

Current US Original Classification (1):
709/206

US006266692B1

(12) **United States Patent**
Greenstein

(10) **Patent No.: US 6,266,692 B1**
(45) **Date of Patent: Jul. 24, 2001**

(54) **METHOD FOR BLOCKING ALL UNWANTED E-MAIL (SPAM) USING A HEADER-BASED PASSWORD**

(75) Inventor: **Bret A. Greenstein**, Essex Junction, VT (US)

(73) Assignee: **International Business Machines Corporation**, Armonk, NY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/225,473**

(22) Filed: **Jan. 4, 1999**

(51) **Int. Cl.**[7] **G06F 13/00**
(52) **U.S. Cl.** **709/206**; 709/307
(58) **Field of Search** 709/206, 207, 709/315

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,635,918	*	6/1997	Tett	340/825
5,999,932	*	12/1999	Paul	709/206
6,047,310	*	4/2000	Kamakura et al.	709/201
6,073,165	*	6/2000	Narasimhan et al.	709/206

* cited by examiner

Primary Examiner—Robert B. Harrell
(74) *Attorney, Agent, or Firm*—Scully, Scott, Murphy & Presser; Richard M. Kotulak, Esq.

(57) **ABSTRACT**

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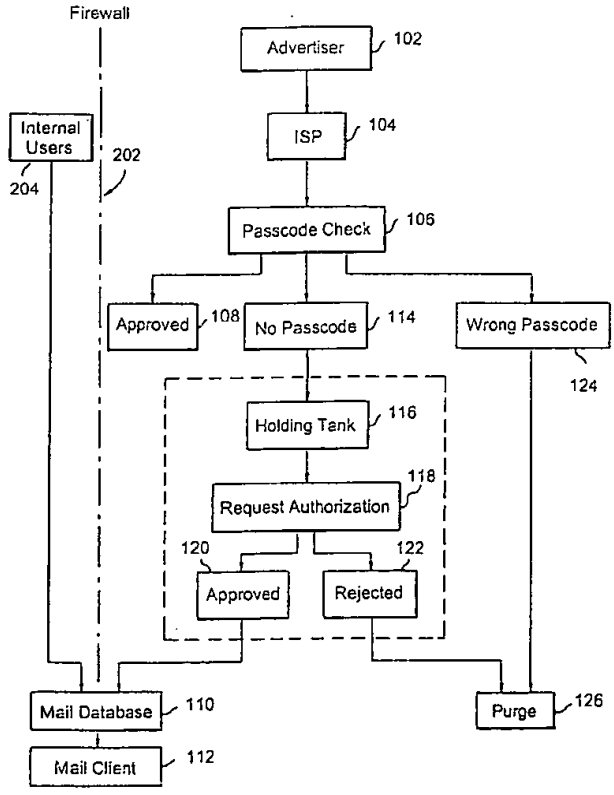
16 Claims, 4 Drawing Sheets